

1021.43049X00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: KAWATO, et al.

Serial No.: Not assigned

Filed: August 20, 2003

For: THIN FILM PERPENDICULAR MAGNETIC RECORDING HEAD,
THEIR FABRICATION PROCESS AND MAGNETIC DISK DRIVE
USING IT

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.97 & 1.98

Mail Stop DD
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

August 20, 2003

Sir:

In the matter of the above-identified application, applicant(s) are submitting copies of the documents listed in the attached form equivalent to Form PTO-1449 for the Examiner's consideration.

This information disclosure statement is being submitted, with The New Application.

Although, the documents listed on the attached form equivalent to Form PTO-1449 are not in the English language, the requirement of 37 CFR 1.98(a)(3) for a concise explanation of the relevance is satisfied by the discussion of these documents in the specification, for example, on pages 8 and 9.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus Deposit Account No. 01-2135 (Case: 1021.43049X00), and please credit any excess fees to such deposit account.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS LLP



Carl I. Brundidge
Registration No. 29,621

CIB/amr
(703) 312-6600

Attachments

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known		
			Application Number		
			Filing Date August 20, 2003		
			First Named Inventor KAWATO, YOSHIKI		
			Art Unit		
Examiner Name			Attorney Docket Number 1021.43049X00		
Sheet	1	of	2		

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
		US-				
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FOREIGN PATENT DOCUMENTS							
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)					
		JP-2001-291212A		10-19-2001	AKIHIKO		
		JP-2002-324303A		11-08-2002	TOSHIHIRO		
		JP-05-054320A		03-05-1993	TSUTOMU		
		JP-06-195636A		07-15-1994	TSUTOMU		
		JP-07-135111A		05-23-1995	TSUTOMU		
		JP-03-049008A		03-01-1991	NAOKI		

Examiner Signature		Date Considered	
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¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known			
		Application Number			
		Filing Date	August 20, 2003		
		First Named Inventor	KAWATO, YOSHIKI		
		Group Art Unit			
Sheet	2	of	2	Examiner Name	
				Attorney Docket Number	1021.43049X00

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"Perpendicular Magnetic Recording-Evolution And Future" Shun-ichi Iwasaki, IEEE Transactions On Magnetism, Vol. Mag-20, No.5, September 1984, pages 657-662	
		"Challenges in the Practical Implementation of Perpendicular Magnetic Recording", CAIN, et al., IEEE Transactions On Magnetism, Vol. 32, No.1, January 1996, pages 97-102	
		Abstract No. 582, Magnetic Properties of Copper Laminated Magnetic CoFeCu Films Deposited From a Single Plating Bath by Current Modulation, L.T. Romankiw	

Examiner Signature		Date Considered	
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